

Representative Task Order (RTO) – Operations

Introduction

This is a Representative Task Order (RTO) for a typical flight year of NASA Wallops Flight Facility flight operations. Basic details for each mission associated with a given aircraft are provided along with required rules to be used. Offerors shall provide an estimate for each mission listed under each aircraft and demonstrate the ability to support multiple flight operations occurring concurrently. Existing staff shall be utilized to support the maintenance and flight operations before surge personnel are acquired.

P-3 Orion Missions

1. Mission Name: Operation Ice Bridge (OIB) – Arctic
 - a. Dates/Location:
 - i. **4/18/2015 – 5/15/2015**: Thule, Greenland
 - ii. **5/15/2015 – 6/3/2015**: Kangerlussauq, Greenland
 - b. Total flight hours: 230
 - c. Personnel required per flight to operate the aircraft:
 - i. Pilots – 2
 - ii. Flight Engineer – 1
 - iii. Aft Crewmember – 2
 - iv. Ground Maintainer – 1 (does not fly)
 - d. Rules:
 - i. Use a 70% flight rate during deployed days.
 - ii. All flights are 8 hours in duration.
 - iii. All flight days are 12 hour duty days.
 - iv. Two full crew rotations required, one while in Thule using military rotator (arranged by NASA) and one while in Kangerlussauq using commercial airline means. Crew rotations shall not affect available flight opportunities.
 - v. Aircraft deploys from WFF on **4/18** and **returns to WFF on 6/3**.
 - vi. Add \$50,000 in estimate to cover direct labor engineering costs.
 - vii. Add \$10,000 in estimate to cover ODCs associated with airfield costs at Kangerlussauq.

C-23 Sherpa Missions

1. Mission Name: Carbon in Arctic Reservoirs Vulnerability Experiment (CARVE)
 - a. Dates/Location:
 - i. **5/16/2015 – 11/7/2015**: Fairbanks, Alaska
 - b. Total flight hours: 300
 - c. Personnel required per flight to operate the aircraft:
 - i. Pilots – 2
 - d. Rules:

- i. Use a 70% flight rate during deployed days.
- ii. All flights are 6 hours in duration.
- iii. All flight days are 9 hour duty days.
- iv. Two week deployments each month upon arrival of the aircraft in Fairbanks (i.e. two weeks in June, two weeks in July, etc.). Transit month's (**June and November**) will be longer deployment times due to transits.
- v. Aircraft remains in Fairbanks, Alaska for entire time period regardless of no flight operations.
- vi. Aircraft deploys from WFF on **5/16 and returns to WFF on 11/7**.
- vii. Determine best route to transit to and from Fairbanks, Alaska and WFF.
- viii. Acquire any maintenance services from local fixed-base operator (FBO) in Fairbanks, Alaska.
- ix. Aircraft shall be kept in a hangar when it is not flying.
- x. Add \$50,000 in estimate to cover direct labor engineering costs.
- xi. Add \$10,000 in estimate to cover ODCs associated with airfield costs at airport.
- xii. Add \$98,000 in estimate to cover ODCs associated with hangar costs at airport.

C-130 Hercules Missions

- 1. Mission Name: Operation Ice Bridge (OIB) – Arctic
 - a. Dates/Location:
 - i. **4/18/2015 – 4/19/2015**: Thule, Greenland
 - ii. **5/15/2015 – 5/16/2015**: Kangerlussauq, Greenland
 - iii. **6/2/2015-6/3/2015**: Thule, Greenland
 - b. Total flight hours: 70
 - c. Personnel required per flight to operate the aircraft:
 - i. Pilots – 2
 - ii. Flight Engineer – 1
 - iii. Loadmaster – 1
 - d. Rules:
 - i. Cargo delivery operations only.
 - ii. All flight days are 12 hour duty days.
 - iii. Aircraft transits with P-3 Orion to and from all locations. C-130 will not remain in the field during the P-3 deployment. It will return to WFF after each cargo operation.
 - iv. Dates provided represent the day the aircraft transits from WFF and returns to WFF for each location.
 - v. 15,000lbs of cargo each flight.
 - vi. Determine best route to transit to and from Greenland if each destination listed cannot be reached in a single flight.

End of RTO